

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P333485-830

Luminaire Tested: **S125DIW-S1270D1560U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333485-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S1270D1560U830-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9985.7 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

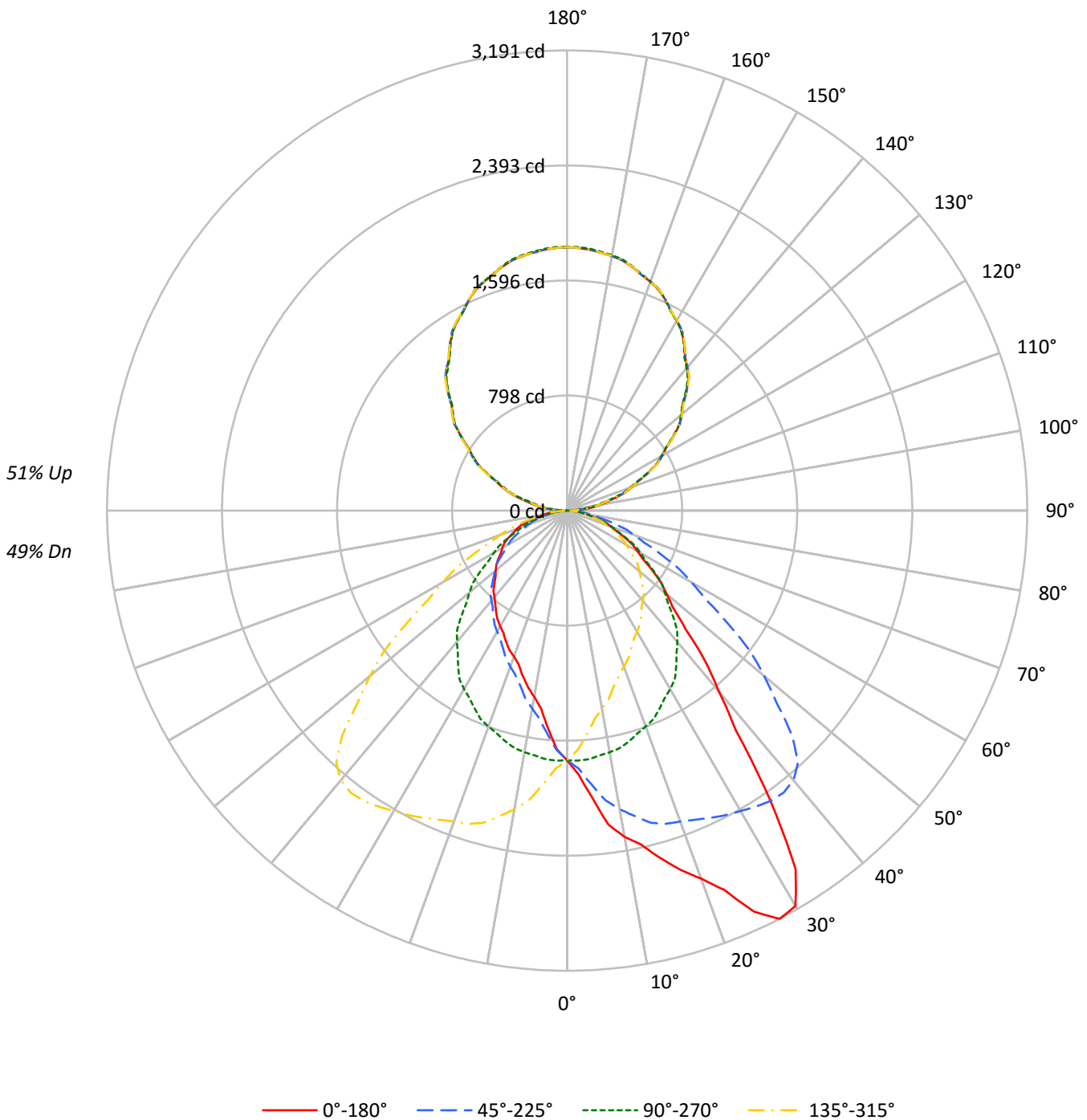
Input Watts (W): 82.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49					49			
1	98	94	90	86	90	86	83	80	73	71	68	61	59	57	49	48	47	42					42			
2	89	82	76	71	82	76	71	66	64	60	57	53	51	48	43	42	40	35					35			
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	39	36	34	30					30			
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	35	32	30	26					26			
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	23					23			
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20					20			
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18					18			
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16					16			
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14					14			
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13					13			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	11180	11180	11180	11180
5°	12947	11218	9822	11218
10°	15062	11160	8605	11160
15°	16673	11078	7938	11078
20°	18664	10948	7403	10948
25°	21865	10802	7142	10802
30°	23616	10657	6915	10657
35°	19418	10387	6766	10387
40°	13801	10010	6604	10010
45°	10602	9502	6509	9502
50°	9051	8874	6497	8874
55°	8059	8257	6552	8257
60°	7270	7582	6719	7582
65°	6715	6906	6894	6906
70°	6105	6201	6992	6201
75°	5390	5465	6932	5465
80°	4537	4456	6338	4456
85°	3586	3216	5120	3216



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.6	1.7
10°-20°	496.2	5.0
20°-30°	805.7	8.1
30°-40°	982.8	9.8
40°-50°	894.0	9.0
50°-60°	712.1	7.1
60°-70°	496.0	5.0
70°-80°	264.5	2.6
80°-90°	70.7	0.7
90°-100°	122.3	1.2
100°-110°	361.3	3.6
110°-120°	611.9	6.1
120°-130°	805.3	8.1
130°-140°	902.4	9.0
140°-150°	884.4	8.9
150°-160°	742.8	7.4
160°-170°	493.8	4.9
170°-180°	172.8	1.7
0°-30°	1468.5	14.7
0°-40°	2451.2	24.5
0°-60°	4057.4	40.6
0°-90°	4888.6	49.0
90°-120°	1095.5	11.0
90°-150°	3687.7	36.9
90°-180°	5097.0	51.0
0°-180°	9985.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1731	1731	1731	1731	1731	
5°	1997	1730	1515	1730	1997	201
15°	2494	1657	1187	1657	2494	714
25°	3068	1516	1002	1516	3068	1401
35°	2463	1317	858	1317	2463	1507
45°	1161	1040	713	1040	1161	929
55°	716	733	582	733	716	645
65°	439	452	451	452	439	436
75°	216	219	278	219	216	233
85°	48	43	69	43	48	57
90°	34	1	34	1	34	21
95°	122	92	122	92	122	124
105°	352	324	352	324	352	373
115°	618	613	618	613	618	612
125°	900	894	900	894	900	803
135°	1167	1163	1167	1163	1167	900
145°	1414	1409	1414	1409	1414	883
155°	1612	1612	1612	1612	1612	742
165°	1748	1753	1748	1753	1748	493
175°	1815	1822	1815	1822	1815	172
180°	1827	1827	1827	1827	1827	



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1831.0	1828.6	1826.3	1821.6	1825.0	1815.1	1810.3	1802.1	1792.2	1788.7	1784.5
5°	1997.0	2000.6	2004.3	1989.0	1990.4	1980.1	1956.6	1937.5	1922.0	1902.2	1888.3
7.5°	2196.9	2188.2	2187.5	2177.5	2160.3	2146.5	2121.8	2090.3	2059.9	2025.2	1996.6
10°	2296.8	2297.5	2290.9	2279.2	2260.8	2247.6	2215.3	2184.3	2146.9	2102.8	2071.2
12.5°	2372.0	2375.1	2366.7	2350.9	2341.8	2312.2	2286.9	2250.2	2205.6	2170.4	2122.3
15°	2493.7	2485.6	2479.7	2459.8	2444.5	2413.6	2373.2	2335.0	2286.5	2241.6	2196.9
17.5°	2610.9	2617.4	2606.4	2588.3	2540.4	2504.4	2450.2	2397.8	2337.5	2277.4	2223.9
20°	2715.6	2721.5	2704.5	2673.0	2615.6	2579.6	2508.4	2440.8	2371.0	2293.9	2235.1
22.5°	2846.1	2841.4	2818.6	2770.5	2720.8	2654.3	2577.2	2494.8	2407.4	2320.3	2242.1
25°	3068.3	3037.3	3023.4	2963.9	2898.5	2800.8	2695.0	2574.5	2465.8	2350.4	2250.5
27.5°	3191.4	3181.6	3166.1	3124.7	3055.9	2951.4	2826.7	2679.8	2526.5	2380.9	2250.0
30°	3166.7	3168.2	3169.7	3156.4	3112.4	3033.7	2909.5	2751.6	2569.4	2405.6	2254.2
32.5°	2948.1	2974.8	3000.4	3030.7	3043.0	3027.8	2950.1	2807.5	2619.9	2433.7	2251.8
35°	2462.9	2470.9	2553.9	2636.2	2747.9	2834.6	2892.7	2829.4	2671.4	2457.7	2249.0
37.5°	1920.3	1960.0	2017.4	2110.4	2271.6	2415.9	2601.5	2686.9	2635.9	2465.5	2243.9
40°	1637.0	1673.8	1711.2	1806.0	1941.9	2116.8	2327.6	2507.6	2549.5	2440.8	2226.3
42.5°	1418.3	1447.5	1489.0	1560.3	1673.9	1828.7	2030.2	2265.5	2410.2	2369.1	2189.2
45°	1160.8	1179.2	1211.5	1268.2	1350.5	1471.7	1649.4	1906.7	2130.7	2204.9	2101.3
47.5°	993.6	993.5	1018.6	1057.7	1117.1	1220.1	1351.6	1553.1	1792.4	1969.5	1961.3
50°	900.8	897.1	916.9	950.7	997.8	1066.1	1191.8	1352.6	1582.6	1783.2	1839.0
52.5°	820.9	821.2	833.5	858.5	897.9	956.2	1050.1	1195.1	1391.6	1597.4	1702.7
55°	715.7	712.7	726.6	743.6	772.2	810.4	878.0	988.9	1148.4	1351.1	1487.8
57.5°	619.3	627.4	632.9	644.7	668.5	694.0	751.0	832.5	958.9	1132.9	1277.4
60°	562.8	570.9	575.3	587.0	606.1	628.2	672.3	738.4	845.0	994.9	1138.1
62.5°	512.3	518.6	520.0	530.7	546.2	567.7	602.4	657.9	742.1	873.2	1013.5
65°	439.4	439.4	442.3	453.4	460.7	479.8	506.2	546.7	614.3	716.3	836.1
67.5°	369.1	372.7	371.9	376.7	383.5	398.4	417.4	450.7	500.8	575.3	671.1
70°	323.3	326.2	325.5	329.1	336.5	346.1	361.5	393.0	429.0	493.0	575.3
72.5°	282.1	283.3	281.4	286.3	290.7	299.1	316.2	333.1	366.7	420.8	488.3
75°	216.0	217.4	219.0	221.9	226.3	230.7	239.5	256.5	278.4	318.9	362.2
77.5°	161.9	159.1	162.7	162.2	164.8	168.1	175.9	184.8	202.9	228.5	262.0
80°	122.0	122.7	122.7	123.5	127.1	129.3	135.9	142.5	156.5	175.6	199.2
82.5°	89.1	91.0	89.8	91.1	94.2	95.8	99.4	104.9	113.0	128.0	145.1
85°	48.4	44.9	46.3	47.8	47.8	48.4	51.5	53.6	58.1	63.9	70.5
87.5°	20.9	22.0	22.3	22.1	22.5	22.2	24.3	24.0	25.4	26.9	28.7
90°	34.1	33.2	32.2	31.3	30.3	29.0	27.5	25.9	24.3	22.7	20.5
92.5°	67.1	66.4	65.7	65.0	64.3	63.0	60.8	58.7	56.6	54.6	51.8
95°	122.2	121.6	121.0	120.4	119.7	118.3	116.1	113.9	111.7	109.4	106.3
97.5°	185.4	185.0	184.6	184.3	183.9	182.6	180.5	178.4	176.3	174.3	169.9
100°	233.1	232.5	231.9	231.2	230.6	228.8	226.0	223.2	220.4	217.4	213.4
102.5°	280.9	280.0	279.1	278.2	277.4	275.3	272.3	269.2	266.1	263.0	260.9
105°	352.5	351.6	350.6	349.7	348.7	347.3	345.4	343.6	341.7	339.8	337.8
107.5°	425.8	425.9	426.0	426.0	426.1	425.7	424.7	423.8	422.8	421.9	420.5
110°	480.5	480.8	481.1	481.5	481.7	481.5	480.5	479.6	478.5	477.6	476.6



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	534.0	534.5	535.1	535.6	536.2	536.2	535.8	535.4	534.9	534.5	533.3
115°	618.4	618.7	619.0	619.3	619.6	619.9	620.3	620.6	620.9	621.2	620.6
117.5°	700.8	702.1	703.3	704.6	705.9	706.3	706.2	705.9	705.6	705.4	704.7
120°	757.7	758.9	760.2	761.5	762.7	763.4	763.4	763.4	763.4	763.4	763.0
122.5°	814.5	815.5	816.5	817.6	818.6	819.2	819.4	819.7	819.9	820.2	819.4
125°	899.8	900.1	900.4	900.8	901.1	901.5	902.2	902.9	903.4	904.1	903.8
127.5°	981.7	982.3	983.0	983.5	984.2	984.7	985.1	985.3	985.6	986.0	985.6
130°	1036.3	1036.9	1037.6	1038.2	1038.8	1039.2	1039.6	1039.9	1040.2	1040.6	1039.9
132.5°	1087.4	1088.4	1089.2	1090.1	1091.0	1091.6	1091.9	1092.2	1092.5	1092.9	1093.0
135°	1167.1	1168.3	1169.6	1170.8	1172.1	1172.7	1172.7	1172.7	1172.7	1172.7	1172.4
137.5°	1244.9	1246.5	1248.1	1249.7	1251.3	1251.9	1251.5	1251.1	1250.8	1250.4	1249.6
140°	1295.0	1296.6	1298.2	1299.8	1301.3	1301.7	1301.2	1300.5	1299.9	1299.3	1298.4
142.5°	1342.7	1344.3	1346.0	1347.5	1349.1	1349.7	1349.2	1348.9	1348.5	1348.1	1347.0
145°	1414.4	1415.3	1416.3	1417.2	1418.1	1418.6	1418.6	1418.6	1418.6	1418.6	1417.7
147.5°	1475.6	1477.7	1479.8	1482.0	1484.1	1484.8	1484.0	1483.3	1482.5	1481.8	1481.0
150°	1521.0	1521.6	1522.3	1522.9	1523.5	1523.9	1523.9	1523.9	1523.9	1523.9	1522.6
152.5°	1558.6	1559.7	1560.9	1562.0	1563.1	1563.3	1562.5	1561.8	1561.0	1560.3	1559.7
155°	1612.0	1613.5	1615.1	1616.7	1618.3	1618.4	1617.2	1615.9	1614.7	1613.4	1613.1
157.5°	1656.6	1658.7	1660.8	1662.8	1665.0	1665.4	1664.2	1662.8	1661.6	1660.3	1660.0
160°	1687.3	1688.9	1690.5	1692.1	1693.7	1693.8	1692.5	1691.3	1690.0	1688.8	1688.5
162.5°	1713.4	1715.3	1717.1	1719.0	1720.8	1721.0	1719.5	1718.0	1716.5	1714.9	1714.9
165°	1748.4	1750.4	1752.3	1754.2	1756.1	1756.3	1755.1	1753.8	1752.6	1751.3	1751.0
167.5°	1776.3	1778.3	1780.3	1782.2	1784.1	1784.1	1782.3	1780.4	1778.5	1776.6	1776.6
170°	1791.1	1793.3	1795.5	1797.7	1800.0	1800.1	1798.2	1796.3	1794.4	1792.5	1792.5
172.5°	1803.6	1805.5	1807.5	1809.5	1811.5	1811.5	1809.6	1807.7	1805.8	1803.9	1803.9
175°	1815.2	1817.5	1819.7	1821.9	1824.1	1824.3	1822.4	1820.5	1818.5	1816.7	1816.7
177.5°	1822.1	1823.8	1825.6	1827.4	1829.2	1829.3	1827.8	1826.3	1824.8	1823.3	1823.4
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1781.0	1776.9	1772.2	1764.0	1754.0	1748.7	1740.4	1735.1	1724.6	1715.7	1706.4
5°	1871.3	1852.3	1834.7	1811.8	1786.9	1770.7	1751.6	1730.3	1708.3	1685.5	1660.5
7.5°	1965.0	1931.2	1894.4	1854.9	1816.3	1780.7	1746.7	1713.4	1682.2	1644.6	1612.8
10°	2027.9	1985.3	1939.7	1886.0	1833.9	1788.4	1742.0	1701.7	1660.5	1616.4	1577.4
12.5°	2090.7	2034.0	1969.6	1910.7	1848.0	1793.0	1738.5	1687.0	1635.2	1586.4	1541.1
15°	2135.1	2085.2	2025.6	1941.9	1871.3	1795.7	1723.7	1656.8	1594.4	1540.0	1482.7
17.5°	2164.4	2100.0	2036.1	1955.7	1863.3	1778.7	1697.0	1620.5	1550.1	1481.2	1426.0
20°	2169.6	2103.6	2036.6	1958.0	1863.3	1766.3	1684.7	1592.9	1517.2	1446.0	1378.4
22.5°	2167.9	2092.9	2020.2	1939.3	1846.8	1757.5	1658.9	1565.3	1483.1	1413.1	1342.5
25°	2151.3	2071.2	1980.1	1898.6	1807.4	1712.7	1612.8	1515.8	1432.0	1351.9	1282.1
27.5°	2137.5	2033.6	1930.4	1835.3	1747.4	1660.5	1564.8	1465.5	1372.6	1291.5	1225.7
30°	2120.4	2006.6	1890.5	1791.3	1700.9	1616.4	1526.1	1429.1	1332.1	1252.7	1182.2
32.5°	2105.2	1972.5	1849.9	1741.9	1646.2	1564.1	1480.7	1388.5	1293.3	1212.8	1142.2
35°	2075.7	1922.0	1781.7	1659.7	1557.6	1473.1	1403.4	1317.4	1229.9	1152.1	1084.5
37.5°	2038.2	1856.0	1705.3	1577.4	1465.5	1376.5	1311.5	1245.5	1161.6	1086.6	1025.4
40°	2008.7	1808.9	1649.4	1518.7	1402.6	1310.0	1249.8	1187.3	1117.6	1047.7	983.1
42.5°	1971.7	1766.6	1593.1	1452.3	1337.4	1247.2	1183.9	1130.9	1069.3	1004.3	944.2
45°	1903.7	1689.9	1501.8	1350.5	1234.4	1145.5	1080.1	1040.4	994.1	932.4	881.7
47.5°	1803.6	1597.7	1403.2	1247.0	1127.2	1044.8	983.5	945.5	912.9	867.0	821.0
50°	1714.9	1529.0	1332.1	1177.0	1057.2	974.2	917.7	883.2	855.3	819.9	781.0
52.5°	1615.5	1442.6	1262.2	1108.9	990.2	908.4	853.0	822.7	799.4	774.1	735.7
55°	1457.7	1310.8	1143.2	997.8	888.3	808.2	759.7	733.3	714.2	695.0	671.6
57.5°	1283.8	1168.9	1020.6	887.6	786.7	713.9	668.6	642.9	628.0	618.2	604.4
60°	1161.6	1063.2	935.3	814.1	715.7	651.0	606.9	587.0	574.6	566.5	556.2
62.5°	1048.2	967.3	848.9	738.3	652.1	591.0	551.7	532.3	520.5	516.5	508.0
65°	880.9	818.5	720.8	629.0	555.4	503.3	470.2	451.9	444.5	440.1	440.8
67.5°	716.2	678.2	599.6	521.3	462.7	419.0	392.5	378.4	374.8	368.8	368.7
70°	615.7	587.0	520.9	452.6	400.4	366.6	343.1	328.4	324.7	321.8	321.1
72.5°	527.0	501.8	444.5	389.7	342.8	313.1	293.8	284.9	278.9	277.1	277.0
75°	396.1	382.1	336.5	293.1	260.8	240.3	227.1	219.0	214.5	213.8	214.5
77.5°	281.5	269.4	240.4	209.7	189.3	173.7	162.5	159.8	154.8	154.9	154.1
80°	211.6	203.5	185.1	160.9	144.0	130.8	124.9	119.8	118.3	116.1	118.3
82.5°	153.4	144.8	132.2	116.8	102.8	94.9	89.1	87.5	86.5	85.5	86.0
85°	75.7	76.4	69.1	57.3	51.5	47.0	43.4	43.4	42.6	41.8	42.6
87.5°	29.5	27.9	25.1	22.9	19.4	17.2	16.1	16.1	14.9	14.8	15.9
90°	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4	4.0	6.5	9.0
92.5°	49.1	46.5	43.7	41.5	39.7	38.0	36.2	34.4	36.2	38.0	39.7
95°	103.1	100.0	96.8	94.9	94.3	93.7	93.0	92.4	93.0	93.7	94.3
97.5°	165.6	161.2	156.8	154.6	154.3	154.0	153.7	153.5	153.7	154.0	154.3
100°	209.2	205.2	201.0	199.0	199.0	199.0	199.0	199.0	199.0	199.0	199.0
102.5°	258.8	256.7	254.7	253.0	251.7	250.4	249.2	247.9	249.2	250.4	251.7
105°	335.9	334.0	332.2	330.5	328.9	327.3	325.6	324.1	325.6	327.3	328.9
107.5°	419.0	417.5	416.1	414.5	413.0	411.4	409.8	408.2	409.8	411.4	413.0
110°	475.7	474.8	473.8	472.6	471.0	469.4	467.9	466.3	467.9	469.4	471.0





TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	532.1	530.8	529.7	528.7	527.8	527.1	526.2	525.4	526.2	527.1	527.8
115°	619.9	619.3	618.7	617.7	616.4	615.2	614.0	612.7	614.0	615.2	616.4
117.5°	704.2	703.6	703.0	702.5	701.9	701.3	700.8	700.2	700.8	701.3	701.9
120°	762.7	762.4	762.0	761.1	759.6	758.0	756.4	754.8	756.4	758.0	759.6
122.5°	818.6	817.7	816.9	816.2	815.7	815.1	814.5	814.0	814.5	815.1	815.7
125°	903.4	903.1	902.9	901.7	899.8	898.0	896.0	894.1	896.0	898.0	899.8
127.5°	985.2	984.9	984.5	983.7	982.6	981.6	980.5	979.4	980.5	981.6	982.6
130°	1039.2	1038.7	1038.0	1036.9	1035.3	1033.8	1032.2	1030.6	1032.2	1033.8	1035.3
132.5°	1093.1	1093.3	1093.3	1092.1	1089.6	1086.9	1084.4	1081.8	1084.4	1086.9	1089.6
135°	1172.1	1171.8	1171.5	1170.4	1168.5	1166.6	1164.7	1162.8	1164.7	1166.6	1168.5
137.5°	1249.0	1248.3	1247.5	1246.3	1244.4	1242.6	1240.9	1239.0	1240.9	1242.6	1244.4
140°	1297.4	1296.4	1295.4	1294.2	1292.6	1291.0	1289.5	1287.9	1289.5	1291.0	1292.6
142.5°	1345.8	1344.5	1343.3	1342.1	1340.8	1339.4	1338.1	1336.8	1338.1	1339.4	1340.8
145°	1416.7	1415.8	1414.9	1413.8	1412.5	1411.3	1409.9	1408.7	1409.9	1411.3	1412.5
147.5°	1480.3	1479.5	1478.8	1478.0	1477.3	1476.6	1475.9	1475.3	1475.9	1476.6	1477.3
150°	1521.4	1520.0	1518.8	1518.3	1518.6	1519.0	1519.3	1519.6	1519.3	1519.0	1518.6
152.5°	1559.2	1558.8	1558.2	1557.7	1557.3	1556.9	1556.4	1555.9	1556.4	1556.9	1557.3
155°	1612.8	1612.5	1612.1	1612.0	1612.0	1612.0	1612.0	1612.0	1612.0	1612.0	1612.0
157.5°	1659.7	1659.3	1659.1	1659.3	1659.9	1660.7	1661.3	1662.0	1661.3	1660.7	1659.9
160°	1688.1	1687.8	1687.5	1687.8	1688.8	1689.7	1690.6	1691.6	1690.6	1689.7	1688.8
162.5°	1714.8	1714.7	1714.7	1715.0	1715.7	1716.4	1717.0	1717.8	1717.0	1716.4	1715.7
165°	1750.7	1750.4	1750.0	1750.2	1750.9	1751.4	1752.1	1752.8	1752.1	1751.4	1750.9
167.5°	1776.6	1776.6	1776.6	1777.3	1778.5	1779.8	1781.0	1782.3	1781.0	1779.8	1778.5
170°	1792.5	1792.5	1792.5	1793.2	1794.4	1795.6	1797.0	1798.2	1797.0	1795.6	1794.4
172.5°	1803.9	1803.9	1803.9	1804.5	1805.8	1807.0	1808.4	1809.6	1808.4	1807.0	1805.8
175°	1816.7	1816.7	1816.7	1817.3	1818.5	1819.9	1821.1	1822.4	1821.1	1819.9	1818.5
177.5°	1823.7	1824.0	1824.2	1824.9	1825.9	1826.9	1827.9	1828.9	1827.9	1826.9	1825.9
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1701.0	1694.6	1689.3	1677.5	1671.0	1662.3	1655.2	1662.8	1654.6	1658.1	1652.8
5°	1648.0	1627.4	1612.8	1591.4	1573.1	1556.1	1543.7	1541.4	1535.6	1532.7	1523.8
7.5°	1584.2	1558.5	1533.2	1505.3	1481.8	1457.8	1442.6	1429.9	1421.5	1410.5	1403.1
10°	1546.6	1512.1	1482.7	1448.9	1419.5	1393.8	1373.2	1362.9	1353.4	1339.4	1334.3
12.5°	1500.2	1464.4	1428.6	1392.5	1364.2	1335.6	1318.0	1302.4	1295.8	1280.1	1278.5
15°	1444.4	1390.8	1355.6	1318.8	1279.9	1256.4	1241.7	1224.8	1217.5	1206.5	1198.3
17.5°	1378.1	1330.1	1286.1	1248.0	1214.7	1194.9	1176.6	1165.0	1152.4	1145.2	1131.9
20°	1329.8	1284.3	1240.2	1199.9	1174.1	1151.3	1136.6	1125.6	1112.4	1108.7	1095.5
22.5°	1289.3	1239.1	1196.7	1162.8	1134.7	1109.0	1093.2	1085.6	1076.6	1065.3	1062.5
25°	1223.3	1171.2	1135.2	1101.4	1076.4	1052.9	1041.9	1032.3	1023.5	1015.4	1012.5
27.5°	1166.3	1119.7	1076.9	1046.4	1024.6	1003.2	993.5	981.9	975.4	968.9	961.0
30°	1126.3	1078.6	1041.1	1011.7	988.3	969.1	958.8	950.7	944.9	939.0	934.6
32.5°	1085.2	1040.9	1004.7	975.9	952.3	937.9	928.9	923.1	916.6	909.6	904.0
35°	1030.9	982.3	947.1	922.1	903.7	892.7	882.4	877.2	870.0	870.0	864.0
37.5°	969.6	927.7	896.5	873.7	857.2	847.4	836.3	832.7	828.0	824.9	822.9
40°	933.1	894.2	864.8	842.0	824.3	816.2	807.5	801.6	798.6	794.9	793.5
42.5°	895.5	858.3	830.1	809.1	793.8	786.9	778.6	774.6	768.6	763.8	763.0
45°	838.3	802.3	776.7	759.7	746.5	738.4	733.3	724.4	721.5	715.7	714.9
47.5°	784.1	749.6	724.3	710.5	698.9	692.3	684.2	675.3	672.0	669.0	668.7
50°	743.6	712.0	688.4	675.2	664.2	654.7	646.6	640.6	638.5	638.5	640.0
52.5°	702.4	675.5	655.5	639.3	629.0	618.8	611.3	607.8	604.4	607.9	610.6
55°	642.2	615.0	600.3	584.8	574.6	562.8	559.1	557.7	555.4	561.4	564.3
57.5°	578.3	559.3	542.1	526.8	517.6	510.8	505.8	504.9	509.1	511.8	521.3
60°	537.8	515.8	500.4	488.6	477.6	473.2	471.7	470.2	473.2	481.3	493.7
62.5°	493.1	475.2	458.6	449.8	441.7	434.4	434.0	435.0	440.8	450.1	462.6
65°	427.6	412.2	401.1	390.9	384.3	379.8	381.4	384.3	390.9	403.4	417.4
67.5°	361.1	350.4	340.6	332.2	325.9	325.9	327.4	331.8	339.6	354.0	366.7
70°	318.1	306.4	298.3	294.6	289.5	286.5	291.0	298.3	304.9	318.1	329.1
72.5°	275.2	265.2	258.9	256.5	254.2	251.8	253.4	261.3	270.2	283.4	296.2
75°	211.6	207.9	203.5	200.6	198.4	199.8	201.3	208.7	216.0	230.0	244.7
77.5°	154.5	150.6	148.0	147.2	146.1	146.8	150.9	156.4	163.5	173.7	184.8
80°	116.8	115.4	113.9	113.1	113.1	113.9	119.8	123.5	130.1	139.6	148.5
82.5°	85.1	84.2	83.9	83.8	84.4	84.5	88.0	92.8	98.3	105.5	113.1
85°	44.9	43.4	45.5	46.3	44.9	47.0	48.4	51.5	53.6	57.3	61.0
87.5°	17.0	18.7	18.5	19.5	20.0	21.6	21.3	24.0	25.4	27.0	26.7
90°	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.9	27.5	29.0	30.3
92.5°	41.5	43.7	46.5	49.1	51.8	54.6	56.6	58.7	60.8	63.0	64.3
95°	94.9	96.8	100.0	103.1	106.3	109.4	111.7	113.9	116.1	118.3	119.7
97.5°	154.6	156.8	161.2	165.6	169.9	174.3	176.3	178.4	180.5	182.6	183.9
100°	199.0	201.0	205.2	209.2	213.4	217.4	220.4	223.2	226.0	228.8	230.6
102.5°	253.0	254.7	256.7	258.8	260.9	263.0	266.1	269.2	272.3	275.3	277.4
105°	330.5	332.2	334.0	335.9	337.8	339.8	341.7	343.6	345.4	347.3	348.7
107.5°	414.5	416.1	417.5	419.0	420.5	421.9	422.8	423.8	424.7	425.7	426.1
110°	472.6	473.8	474.8	475.7	476.6	477.6	478.5	479.6	480.5	481.5	481.7



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	528.7	529.7	530.8	532.1	533.3	534.5	534.9	535.4	535.8	536.2	536.2
115°	617.7	618.7	619.3	619.9	620.6	621.2	620.9	620.6	620.3	619.9	619.6
117.5°	702.5	703.0	703.6	704.2	704.7	705.4	705.6	705.9	706.2	706.3	705.9
120°	761.1	762.0	762.4	762.7	763.0	763.4	763.4	763.4	763.4	763.4	762.7
122.5°	816.2	816.9	817.7	818.6	819.4	820.2	819.9	819.7	819.4	819.2	818.6
125°	901.7	902.9	903.1	903.4	903.8	904.1	903.4	902.9	902.2	901.5	901.1
127.5°	983.7	984.5	984.9	985.2	985.6	986.0	985.6	985.3	985.1	984.7	984.2
130°	1036.9	1038.0	1038.7	1039.2	1039.9	1040.6	1040.2	1039.9	1039.6	1039.2	1038.8
132.5°	1092.1	1093.3	1093.3	1093.1	1093.0	1092.9	1092.5	1092.2	1091.9	1091.6	1091.0
135°	1170.4	1171.5	1171.8	1172.1	1172.4	1172.7	1172.7	1172.7	1172.7	1172.7	1172.1
137.5°	1246.3	1247.5	1248.3	1249.0	1249.6	1250.4	1250.8	1251.1	1251.5	1251.9	1251.3
140°	1294.2	1295.4	1296.4	1297.4	1298.4	1299.3	1299.9	1300.5	1301.2	1301.7	1301.3
142.5°	1342.1	1343.3	1344.5	1345.8	1347.0	1348.1	1348.5	1348.9	1349.2	1349.7	1349.1
145°	1413.8	1414.9	1415.8	1416.7	1417.7	1418.6	1418.6	1418.6	1418.6	1418.6	1418.1
147.5°	1478.0	1478.8	1479.5	1480.3	1481.0	1481.8	1482.5	1483.3	1484.0	1484.8	1484.1
150°	1518.3	1518.8	1520.0	1521.4	1522.6	1523.9	1523.9	1523.9	1523.9	1523.9	1523.5
152.5°	1557.7	1558.2	1558.8	1559.2	1559.7	1560.3	1561.0	1561.8	1562.5	1563.3	1563.1
155°	1612.0	1612.1	1612.5	1612.8	1613.1	1613.4	1614.7	1615.9	1617.2	1618.4	1618.3
157.5°	1659.3	1659.1	1659.3	1659.7	1660.0	1660.3	1661.6	1662.8	1664.2	1665.4	1665.0
160°	1687.8	1687.5	1687.8	1688.1	1688.5	1688.8	1690.0	1691.3	1692.5	1693.8	1693.7
162.5°	1715.0	1714.7	1714.7	1714.8	1714.9	1714.9	1716.5	1718.0	1719.5	1721.0	1720.8
165°	1750.2	1750.0	1750.4	1750.7	1751.0	1751.3	1752.6	1753.8	1755.1	1756.3	1756.1
167.5°	1777.3	1776.6	1776.6	1776.6	1776.6	1776.6	1778.5	1780.4	1782.3	1784.1	1784.1
170°	1793.2	1792.5	1792.5	1792.5	1792.5	1792.5	1794.4	1796.3	1798.2	1800.1	1800.0
172.5°	1804.5	1803.9	1803.9	1803.9	1803.9	1803.9	1805.8	1807.7	1809.6	1811.5	1811.5
175°	1817.3	1816.7	1816.7	1816.7	1816.7	1816.7	1818.5	1820.5	1822.4	1824.3	1824.1
177.5°	1824.9	1824.2	1824.0	1823.7	1823.4	1823.3	1824.8	1826.3	1827.8	1829.3	1829.2
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1649.4	1653.4	1649.9	1654.6	1649.9	1653.4	1649.4	1652.8	1658.1	1654.6	1662.8
5°	1520.1	1513.5	1518.0	1515.0	1518.0	1513.5	1520.1	1523.8	1532.7	1535.6	1541.4
7.5°	1400.8	1394.5	1387.3	1383.9	1387.3	1394.5	1400.8	1403.1	1410.5	1421.5	1429.9
10°	1326.2	1318.1	1317.4	1312.2	1317.4	1318.1	1326.2	1334.3	1339.4	1353.4	1362.9
12.5°	1271.5	1264.0	1255.7	1253.5	1255.7	1264.0	1271.5	1278.5	1280.1	1295.8	1302.4
15°	1193.9	1188.1	1182.9	1187.3	1182.9	1188.1	1193.9	1198.3	1206.5	1217.5	1224.8
17.5°	1129.4	1124.5	1123.7	1118.2	1123.7	1124.5	1129.4	1131.9	1145.2	1152.4	1165.0
20°	1088.9	1085.2	1086.7	1077.1	1086.7	1085.2	1088.9	1095.5	1108.7	1112.4	1125.6
22.5°	1056.6	1049.3	1048.5	1046.6	1048.5	1049.3	1056.6	1062.5	1065.3	1076.6	1085.6
25°	1005.9	1002.2	998.5	1002.2	998.5	1002.2	1005.9	1012.5	1015.4	1023.5	1032.3
27.5°	961.6	957.2	956.2	956.6	956.2	957.2	961.6	961.0	968.9	975.4	981.9
30°	934.6	927.3	927.9	927.3	927.9	927.3	934.6	934.6	939.0	944.9	950.7
32.5°	905.2	900.2	899.2	897.9	899.2	900.2	905.2	904.0	909.6	916.6	923.1
35°	861.9	861.9	858.2	858.2	858.2	861.9	861.9	864.0	870.0	870.0	877.2
37.5°	821.1	820.4	818.2	818.5	818.2	820.4	821.1	822.9	824.9	828.0	832.7
40°	790.6	789.9	787.6	783.3	787.6	789.9	790.6	793.5	794.9	798.6	801.6
42.5°	761.2	758.7	757.6	756.2	757.6	758.7	761.2	763.0	763.8	768.6	774.6
45°	714.9	714.9	713.4	712.7	713.4	714.9	714.9	714.9	715.7	721.5	724.4
47.5°	670.0	671.3	674.0	673.6	674.0	671.3	670.0	668.7	669.0	672.0	675.3
50°	642.9	643.7	645.8	646.6	645.8	643.7	642.9	640.0	638.5	638.5	640.6
52.5°	612.9	617.2	620.0	619.5	620.0	617.2	612.9	610.6	607.9	604.4	607.8
55°	570.9	576.0	581.2	581.9	581.2	576.0	570.9	564.3	561.4	555.4	557.7
57.5°	529.3	536.5	542.0	543.7	542.0	536.5	529.3	521.3	511.8	509.1	504.9
60°	501.1	510.7	517.3	520.2	517.3	510.7	501.1	493.7	481.3	473.2	470.2
62.5°	474.0	484.7	491.3	492.0	491.3	484.7	474.0	462.6	450.1	440.8	435.0
65°	429.8	440.8	446.7	451.1	446.7	440.8	429.8	417.4	403.4	390.9	384.3
67.5°	382.2	393.2	399.7	403.2	399.7	393.2	382.2	366.7	354.0	339.6	331.8
70°	347.5	358.5	367.4	370.3	367.4	358.5	347.5	329.1	318.1	304.9	298.3
72.5°	313.4	323.3	330.4	333.8	330.4	323.3	313.4	296.2	283.4	270.2	261.3
75°	254.2	267.4	274.1	277.8	274.1	267.4	254.2	244.7	230.0	216.0	208.7
77.5°	196.0	208.1	212.1	214.0	212.1	208.1	196.0	184.8	173.7	163.5	156.4
80°	157.2	164.6	169.8	170.4	169.8	164.6	157.2	148.5	139.6	130.1	123.5
82.5°	120.8	127.0	128.6	130.4	128.6	127.0	120.8	113.1	105.5	98.3	92.8
85°	66.2	69.1	69.8	69.1	69.8	69.1	66.2	61.0	57.3	53.6	51.5
87.5°	28.0	27.6	27.8	29.1	27.8	27.6	28.0	26.7	27.0	25.4	24.0
90°	31.3	32.2	33.2	34.1	33.2	32.2	31.3	30.3	29.0	27.5	25.9
92.5°	65.0	65.7	66.4	67.1	66.4	65.7	65.0	64.3	63.0	60.8	58.7
95°	120.4	121.0	121.6	122.2	121.6	121.0	120.4	119.7	118.3	116.1	113.9
97.5°	184.3	184.6	185.0	185.4	185.0	184.6	184.3	183.9	182.6	180.5	178.4
100°	231.2	231.9	232.5	233.1	232.5	231.9	231.2	230.6	228.8	226.0	223.2
102.5°	278.2	279.1	280.0	280.9	280.0	279.1	278.2	277.4	275.3	272.3	269.2
105°	349.7	350.6	351.6	352.5	351.6	350.6	349.7	348.7	347.3	345.4	343.6
107.5°	426.0	426.0	425.9	425.8	425.9	426.0	426.0	426.1	425.7	424.7	423.8
110°	481.5	481.1	480.8	480.5	480.8	481.1	481.5	481.7	481.5	480.5	479.6



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	535.6	535.1	534.5	534.0	534.5	535.1	535.6	536.2	536.2	535.8	535.4
115°	619.3	619.0	618.7	618.4	618.7	619.0	619.3	619.6	619.9	620.3	620.6
117.5°	704.6	703.3	702.1	700.8	702.1	703.3	704.6	705.9	706.3	706.2	705.9
120°	761.5	760.2	758.9	757.7	758.9	760.2	761.5	762.7	763.4	763.4	763.4
122.5°	817.6	816.5	815.5	814.5	815.5	816.5	817.6	818.6	819.2	819.4	819.7
125°	900.8	900.4	900.1	899.8	900.1	900.4	900.8	901.1	901.5	902.2	902.9
127.5°	983.5	983.0	982.3	981.7	982.3	983.0	983.5	984.2	984.7	985.1	985.3
130°	1038.2	1037.6	1036.9	1036.3	1036.9	1037.6	1038.2	1038.8	1039.2	1039.6	1039.9
132.5°	1090.1	1089.2	1088.4	1087.4	1088.4	1089.2	1090.1	1091.0	1091.6	1091.9	1092.2
135°	1170.8	1169.6	1168.3	1167.1	1168.3	1169.6	1170.8	1172.1	1172.7	1172.7	1172.7
137.5°	1249.7	1248.1	1246.5	1244.9	1246.5	1248.1	1249.7	1251.3	1251.9	1251.5	1251.1
140°	1299.8	1298.2	1296.6	1295.0	1296.6	1298.2	1299.8	1301.3	1301.7	1301.2	1300.5
142.5°	1347.5	1346.0	1344.3	1342.7	1344.3	1346.0	1347.5	1349.1	1349.7	1349.2	1348.9
145°	1417.2	1416.3	1415.3	1414.4	1415.3	1416.3	1417.2	1418.1	1418.6	1418.6	1418.6
147.5°	1482.0	1479.8	1477.7	1475.6	1477.7	1479.8	1482.0	1484.1	1484.8	1484.0	1483.3
150°	1522.9	1522.3	1521.6	1521.0	1521.6	1522.3	1522.9	1523.5	1523.9	1523.9	1523.9
152.5°	1562.0	1560.9	1559.7	1558.6	1559.7	1560.9	1562.0	1563.1	1563.3	1562.5	1561.8
155°	1616.7	1615.1	1613.5	1612.0	1613.5	1615.1	1616.7	1618.3	1618.4	1617.2	1615.9
157.5°	1662.8	1660.8	1658.7	1656.6	1658.7	1660.8	1662.8	1665.0	1665.4	1664.2	1662.8
160°	1692.1	1690.5	1688.9	1687.3	1688.9	1690.5	1692.1	1693.7	1693.8	1692.5	1691.3
162.5°	1719.0	1717.1	1715.3	1713.4	1715.3	1717.1	1719.0	1720.8	1721.0	1719.5	1718.0
165°	1754.2	1752.3	1750.4	1748.4	1750.4	1752.3	1754.2	1756.1	1756.3	1755.1	1753.8
167.5°	1782.2	1780.3	1778.3	1776.3	1778.3	1780.3	1782.2	1784.1	1784.1	1782.3	1780.4
170°	1797.7	1795.5	1793.3	1791.1	1793.3	1795.5	1797.7	1800.0	1800.1	1798.2	1796.3
172.5°	1809.5	1807.5	1805.5	1803.6	1805.5	1807.5	1809.5	1811.5	1811.5	1809.6	1807.7
175°	1821.9	1819.7	1817.5	1815.2	1817.5	1819.7	1821.9	1824.1	1824.3	1822.4	1820.5
177.5°	1827.4	1825.6	1823.8	1822.1	1823.8	1825.6	1827.4	1829.2	1829.3	1827.8	1826.3
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1655.2	1662.3	1671.0	1677.5	1689.3	1694.6	1701.0	1706.4	1715.7	1724.6	1735.1
5°	1543.7	1556.1	1573.1	1591.4	1612.8	1627.4	1648.0	1660.5	1685.5	1708.3	1730.3
7.5°	1442.6	1457.8	1481.8	1505.3	1533.2	1558.5	1584.2	1612.8	1644.6	1682.2	1713.4
10°	1373.2	1393.8	1419.5	1448.9	1482.7	1512.1	1546.6	1577.4	1616.4	1660.5	1701.7
12.5°	1318.0	1335.6	1364.2	1392.5	1428.6	1464.4	1500.2	1541.1	1586.4	1635.2	1687.0
15°	1241.7	1256.4	1279.9	1318.8	1355.6	1390.8	1444.4	1482.7	1540.0	1594.4	1656.8
17.5°	1176.6	1194.9	1214.7	1248.0	1286.1	1330.1	1378.1	1426.0	1481.2	1550.1	1620.5
20°	1136.6	1151.3	1174.1	1199.9	1240.2	1284.3	1329.8	1378.4	1446.0	1517.2	1592.9
22.5°	1093.2	1109.0	1134.7	1162.8	1196.7	1239.1	1289.3	1342.5	1413.1	1483.1	1565.3
25°	1041.9	1052.9	1076.4	1101.4	1135.2	1171.2	1223.3	1282.1	1351.9	1432.0	1515.8
27.5°	993.5	1003.2	1024.6	1046.4	1076.9	1119.7	1166.3	1225.7	1291.5	1372.6	1465.5
30°	958.8	969.1	988.3	1011.7	1041.1	1078.6	1126.3	1182.2	1252.7	1332.1	1429.1
32.5°	928.9	937.9	952.3	975.9	1004.7	1040.9	1085.2	1142.2	1212.8	1293.3	1388.5
35°	882.4	892.7	903.7	922.1	947.1	982.3	1030.9	1084.5	1152.1	1229.9	1317.4
37.5°	836.3	847.4	857.2	873.7	896.5	927.7	969.6	1025.4	1086.6	1161.6	1245.5
40°	807.5	816.2	824.3	842.0	864.8	894.2	933.1	983.1	1047.7	1117.6	1187.3
42.5°	778.6	786.9	793.8	809.1	830.1	858.3	895.5	944.2	1004.3	1069.3	1130.9
45°	733.3	738.4	746.5	759.7	776.7	802.3	838.3	881.7	932.4	994.1	1040.4
47.5°	684.2	692.3	698.9	710.5	724.3	749.6	784.1	821.0	867.0	912.9	945.5
50°	646.6	654.7	664.2	675.2	688.4	712.0	743.6	781.0	819.9	855.3	883.2
52.5°	611.3	618.8	629.0	639.3	655.5	675.5	702.4	735.7	774.1	799.4	822.7
55°	559.1	562.8	574.6	584.8	600.3	615.0	642.2	671.6	695.0	714.2	733.3
57.5°	505.8	510.8	517.6	526.8	542.1	559.3	578.3	604.4	618.2	628.0	642.9
60°	471.7	473.2	477.6	488.6	500.4	515.8	537.8	556.2	566.5	574.6	587.0
62.5°	434.0	434.4	441.7	449.8	458.6	475.2	493.1	508.0	516.5	520.5	532.3
65°	381.4	379.8	384.3	390.9	401.1	412.2	427.6	440.8	440.1	444.5	451.9
67.5°	327.4	325.9	325.9	332.2	340.6	350.4	361.1	368.7	368.8	374.8	378.4
70°	291.0	286.5	289.5	294.6	298.3	306.4	318.1	321.1	321.8	324.7	328.4
72.5°	253.4	251.8	254.2	256.5	258.9	265.2	275.2	277.0	277.1	278.9	284.9
75°	201.3	199.8	198.4	200.6	203.5	207.9	211.6	214.5	213.8	214.5	219.0
77.5°	150.9	146.8	146.1	147.2	148.0	150.6	154.5	154.1	154.9	154.8	159.8
80°	119.8	113.9	113.1	113.1	113.9	115.4	116.8	118.3	116.1	118.3	119.8
82.5°	88.0	84.5	84.4	83.8	83.9	84.2	85.1	86.0	85.5	86.5	87.5
85°	48.4	47.0	44.9	46.3	45.5	43.4	44.9	42.6	41.8	42.6	43.4
87.5°	21.3	21.6	20.0	19.5	18.5	18.7	17.0	15.9	14.8	14.9	16.1
90°	24.3	22.7	20.5	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4
92.5°	56.6	54.6	51.8	49.1	46.5	43.7	41.5	39.7	38.0	36.2	34.4
95°	111.7	109.4	106.3	103.1	100.0	96.8	94.9	94.3	93.7	93.0	92.4
97.5°	176.3	174.3	169.9	165.6	161.2	156.8	154.6	154.3	154.0	153.7	153.5
100°	220.4	217.4	213.4	209.2	205.2	201.0	199.0	199.0	199.0	199.0	199.0
102.5°	266.1	263.0	260.9	258.8	256.7	254.7	253.0	251.7	250.4	249.2	247.9
105°	341.7	339.8	337.8	335.9	334.0	332.2	330.5	328.9	327.3	325.6	324.1
107.5°	422.8	421.9	420.5	419.0	417.5	416.1	414.5	413.0	411.4	409.8	408.2
110°	478.5	477.6	476.6	475.7	474.8	473.8	472.6	471.0	469.4	467.9	466.3



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	534.9	534.5	533.3	532.1	530.8	529.7	528.7	527.8	527.1	526.2	525.4
115°	620.9	621.2	620.6	619.9	619.3	618.7	617.7	616.4	615.2	614.0	612.7
117.5°	705.6	705.4	704.7	704.2	703.6	703.0	702.5	701.9	701.3	700.8	700.2
120°	763.4	763.4	763.0	762.7	762.4	762.0	761.1	759.6	758.0	756.4	754.8
122.5°	819.9	820.2	819.4	818.6	817.7	816.9	816.2	815.7	815.1	814.5	814.0
125°	903.4	904.1	903.8	903.4	903.1	902.9	901.7	899.8	898.0	896.0	894.1
127.5°	985.6	986.0	985.6	985.2	984.9	984.5	983.7	982.6	981.6	980.5	979.4
130°	1040.2	1040.6	1039.9	1039.2	1038.7	1038.0	1036.9	1035.3	1033.8	1032.2	1030.6
132.5°	1092.5	1092.9	1093.0	1093.1	1093.3	1093.3	1092.1	1089.6	1086.9	1084.4	1081.8
135°	1172.7	1172.7	1172.4	1172.1	1171.8	1171.5	1170.4	1168.5	1166.6	1164.7	1162.8
137.5°	1250.8	1250.4	1249.6	1249.0	1248.3	1247.5	1246.3	1244.4	1242.6	1240.9	1239.0
140°	1299.9	1299.3	1298.4	1297.4	1296.4	1295.4	1294.2	1292.6	1291.0	1289.5	1287.9
142.5°	1348.5	1348.1	1347.0	1345.8	1344.5	1343.3	1342.1	1340.8	1339.4	1338.1	1336.8
145°	1418.6	1418.6	1417.7	1416.7	1415.8	1414.9	1413.8	1412.5	1411.3	1409.9	1408.7
147.5°	1482.5	1481.8	1481.0	1480.3	1479.5	1478.8	1478.0	1477.3	1476.6	1475.9	1475.3
150°	1523.9	1523.9	1522.6	1521.4	1520.0	1518.8	1518.3	1518.6	1519.0	1519.3	1519.6
152.5°	1561.0	1560.3	1559.7	1559.2	1558.8	1558.2	1557.7	1557.3	1556.9	1556.4	1555.9
155°	1614.7	1613.4	1613.1	1612.8	1612.5	1612.1	1612.0	1612.0	1612.0	1612.0	1612.0
157.5°	1661.6	1660.3	1660.0	1659.7	1659.3	1659.1	1659.3	1659.9	1660.7	1661.3	1662.0
160°	1690.0	1688.8	1688.5	1688.1	1687.8	1687.5	1687.8	1688.8	1689.7	1690.6	1691.6
162.5°	1716.5	1714.9	1714.9	1714.8	1714.7	1714.7	1715.0	1715.7	1716.4	1717.0	1717.8
165°	1752.6	1751.3	1751.0	1750.7	1750.4	1750.0	1750.2	1750.9	1751.4	1752.1	1752.8
167.5°	1778.5	1776.6	1776.6	1776.6	1776.6	1776.6	1777.3	1778.5	1779.8	1781.0	1782.3
170°	1794.4	1792.5	1792.5	1792.5	1792.5	1792.5	1793.2	1794.4	1795.6	1797.0	1798.2
172.5°	1805.8	1803.9	1803.9	1803.9	1803.9	1803.9	1804.5	1805.8	1807.0	1808.4	1809.6
175°	1818.5	1816.7	1816.7	1816.7	1816.7	1816.7	1817.3	1818.5	1819.9	1821.1	1822.4
177.5°	1824.8	1823.3	1823.4	1823.7	1824.0	1824.2	1824.9	1825.9	1826.9	1827.9	1828.9
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1740.4	1748.7	1754.0	1764.0	1772.2	1776.9	1781.0	1784.5	1788.7	1792.2	1802.1
5°	1751.6	1770.7	1786.9	1811.8	1834.7	1852.3	1871.3	1888.3	1902.2	1922.0	1937.5
7.5°	1746.7	1780.7	1816.3	1854.9	1894.4	1931.2	1965.0	1996.6	2025.2	2059.9	2090.3
10°	1742.0	1788.4	1833.9	1886.0	1939.7	1985.3	2027.9	2071.2	2102.8	2146.9	2184.3
12.5°	1738.5	1793.0	1848.0	1910.7	1969.6	2034.0	2090.7	2122.3	2170.4	2205.6	2250.2
15°	1723.7	1795.7	1871.3	1941.9	2025.6	2085.2	2135.1	2196.9	2241.6	2286.5	2335.0
17.5°	1697.0	1778.7	1863.3	1955.7	2036.1	2100.0	2164.4	2223.9	2277.4	2337.5	2397.8
20°	1684.7	1766.3	1863.3	1958.0	2036.6	2103.6	2169.6	2235.1	2293.9	2371.0	2440.8
22.5°	1658.9	1757.5	1846.8	1939.3	2020.2	2092.9	2167.9	2242.1	2320.3	2407.4	2494.8
25°	1612.8	1712.7	1807.4	1898.6	1980.1	2071.2	2151.3	2250.5	2350.4	2465.8	2574.5
27.5°	1564.8	1660.5	1747.4	1835.3	1930.4	2033.6	2137.5	2250.0	2380.9	2526.5	2679.8
30°	1526.1	1616.4	1700.9	1791.3	1890.5	2006.6	2120.4	2254.2	2405.6	2569.4	2751.6
32.5°	1480.7	1564.1	1646.2	1741.9	1849.9	1972.5	2105.2	2251.8	2433.7	2619.9	2807.5
35°	1403.4	1473.1	1557.6	1659.7	1781.7	1922.0	2075.7	2249.0	2457.7	2671.4	2829.4
37.5°	1311.5	1376.5	1465.5	1577.4	1705.3	1856.0	2038.2	2243.9	2465.5	2635.9	2686.9
40°	1249.8	1310.0	1402.6	1518.7	1649.4	1808.9	2008.7	2226.3	2440.8	2549.5	2507.6
42.5°	1183.9	1247.2	1337.4	1452.3	1593.1	1766.6	1971.7	2189.2	2369.1	2410.2	2265.5
45°	1080.1	1145.5	1234.4	1350.5	1501.8	1689.9	1903.7	2101.3	2204.9	2130.7	1906.7
47.5°	983.5	1044.8	1127.2	1247.0	1403.2	1597.7	1803.6	1961.3	1969.5	1792.4	1553.1
50°	917.7	974.2	1057.2	1177.0	1332.1	1529.0	1714.9	1839.0	1783.2	1582.6	1352.6
52.5°	853.0	908.4	990.2	1108.9	1262.2	1442.6	1615.5	1702.7	1597.4	1391.6	1195.1
55°	759.7	808.2	888.3	997.8	1143.2	1310.8	1457.7	1487.8	1351.1	1148.4	988.9
57.5°	668.6	713.9	786.7	887.6	1020.6	1168.9	1283.8	1277.4	1132.9	958.9	832.5
60°	606.9	651.0	715.7	814.1	935.3	1063.2	1161.6	1138.1	994.9	845.0	738.4
62.5°	551.7	591.0	652.1	738.3	848.9	967.3	1048.2	1013.5	873.2	742.1	657.9
65°	470.2	503.3	555.4	629.0	720.8	818.5	880.9	836.1	716.3	614.3	546.7
67.5°	392.5	419.0	462.7	521.3	599.6	678.2	716.2	671.1	575.3	500.8	450.7
70°	343.1	366.6	400.4	452.6	520.9	587.0	615.7	575.3	493.0	429.0	393.0
72.5°	293.8	313.1	342.8	389.7	444.5	501.8	527.0	488.3	420.8	366.7	333.1
75°	227.1	240.3	260.8	293.1	336.5	382.1	396.1	362.2	318.9	278.4	256.5
77.5°	162.5	173.7	189.3	209.7	240.4	269.4	281.5	262.0	228.5	202.9	184.8
80°	124.9	130.8	144.0	160.9	185.1	203.5	211.6	199.2	175.6	156.5	142.5
82.5°	89.1	94.9	102.8	116.8	132.2	144.8	153.4	145.1	128.0	113.0	104.9
85°	43.4	47.0	51.5	57.3	69.1	76.4	75.7	70.5	63.9	58.1	53.6
87.5°	16.1	17.2	19.4	22.9	25.1	27.9	29.5	28.7	26.9	25.4	24.0
90°	4.0	6.5	9.0	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.9
92.5°	36.2	38.0	39.7	41.5	43.7	46.5	49.1	51.8	54.6	56.6	58.7
95°	93.0	93.7	94.3	94.9	96.8	100.0	103.1	106.3	109.4	111.7	113.9
97.5°	153.7	154.0	154.3	154.6	156.8	161.2	165.6	169.9	174.3	176.3	178.4
100°	199.0	199.0	199.0	199.0	201.0	205.2	209.2	213.4	217.4	220.4	223.2
102.5°	249.2	250.4	251.7	253.0	254.7	256.7	258.8	260.9	263.0	266.1	269.2
105°	325.6	327.3	328.9	330.5	332.2	334.0	335.9	337.8	339.8	341.7	343.6
107.5°	409.8	411.4	413.0	414.5	416.1	417.5	419.0	420.5	421.9	422.8	423.8
110°	467.9	469.4	471.0	472.6	473.8	474.8	475.7	476.6	477.6	478.5	479.6





TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	526.2	527.1	527.8	528.7	529.7	530.8	532.1	533.3	534.5	534.9	535.4
115°	614.0	615.2	616.4	617.7	618.7	619.3	619.9	620.6	621.2	620.9	620.6
117.5°	700.8	701.3	701.9	702.5	703.0	703.6	704.2	704.7	705.4	705.6	705.9
120°	756.4	758.0	759.6	761.1	762.0	762.4	762.7	763.0	763.4	763.4	763.4
122.5°	814.5	815.1	815.7	816.2	816.9	817.7	818.6	819.4	820.2	819.9	819.7
125°	896.0	898.0	899.8	901.7	902.9	903.1	903.4	903.8	904.1	903.4	902.9
127.5°	980.5	981.6	982.6	983.7	984.5	984.9	985.2	985.6	986.0	985.6	985.3
130°	1032.2	1033.8	1035.3	1036.9	1038.0	1038.7	1039.2	1039.9	1040.6	1040.2	1039.9
132.5°	1084.4	1086.9	1089.6	1092.1	1093.3	1093.3	1093.1	1093.0	1092.9	1092.5	1092.2
135°	1164.7	1166.6	1168.5	1170.4	1171.5	1171.8	1172.1	1172.4	1172.7	1172.7	1172.7
137.5°	1240.9	1242.6	1244.4	1246.3	1247.5	1248.3	1249.0	1249.6	1250.4	1250.8	1251.1
140°	1289.5	1291.0	1292.6	1294.2	1295.4	1296.4	1297.4	1298.4	1299.3	1299.9	1300.5
142.5°	1338.1	1339.4	1340.8	1342.1	1343.3	1344.5	1345.8	1347.0	1348.1	1348.5	1348.9
145°	1409.9	1411.3	1412.5	1413.8	1414.9	1415.8	1416.7	1417.7	1418.6	1418.6	1418.6
147.5°	1475.9	1476.6	1477.3	1478.0	1478.8	1479.5	1480.3	1481.0	1481.8	1482.5	1483.3
150°	1519.3	1519.0	1518.6	1518.3	1518.8	1520.0	1521.4	1522.6	1523.9	1523.9	1523.9
152.5°	1556.4	1556.9	1557.3	1557.7	1558.2	1558.8	1559.2	1559.7	1560.3	1561.0	1561.8
155°	1612.0	1612.0	1612.0	1612.0	1612.1	1612.5	1612.8	1613.1	1613.4	1614.7	1615.9
157.5°	1661.3	1660.7	1659.9	1659.3	1659.1	1659.3	1659.7	1660.0	1660.3	1661.6	1662.8
160°	1690.6	1689.7	1688.8	1687.8	1687.5	1687.8	1688.1	1688.5	1688.8	1690.0	1691.3
162.5°	1717.0	1716.4	1715.7	1715.0	1714.7	1714.7	1714.8	1714.9	1714.9	1716.5	1718.0
165°	1752.1	1751.4	1750.9	1750.2	1750.0	1750.4	1750.7	1751.0	1751.3	1752.6	1753.8
167.5°	1781.0	1779.8	1778.5	1777.3	1776.6	1776.6	1776.6	1776.6	1776.6	1778.5	1780.4
170°	1797.0	1795.6	1794.4	1793.2	1792.5	1792.5	1792.5	1792.5	1792.5	1794.4	1796.3
172.5°	1808.4	1807.0	1805.8	1804.5	1803.9	1803.9	1803.9	1803.9	1803.9	1805.8	1807.7
175°	1821.1	1819.9	1818.5	1817.3	1816.7	1816.7	1816.7	1816.7	1816.7	1818.5	1820.5
177.5°	1827.9	1826.9	1825.9	1824.9	1824.2	1824.0	1823.7	1823.4	1823.3	1824.8	1826.3
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1810.3	1815.1	1825.0	1821.6	1826.3	1828.6	1831.0
5°	1956.6	1980.1	1990.4	1989.0	2004.3	2000.6	1997.0
7.5°	2121.8	2146.5	2160.3	2177.5	2187.5	2188.2	2196.9
10°	2215.3	2247.6	2260.8	2279.2	2290.9	2297.5	2296.8
12.5°	2286.9	2312.2	2341.8	2350.9	2366.7	2375.1	2372.0
15°	2373.2	2413.6	2444.5	2459.8	2479.7	2485.6	2493.7
17.5°	2450.2	2504.4	2540.4	2588.3	2606.4	2617.4	2610.9
20°	2508.4	2579.6	2615.6	2673.0	2704.5	2721.5	2715.6
22.5°	2577.2	2654.3	2720.8	2770.5	2818.6	2841.4	2846.1
25°	2695.0	2800.8	2898.5	2963.9	3023.4	3037.3	3068.3
27.5°	2826.7	2951.4	3055.9	3124.7	3166.1	3181.6	3191.4
30°	2909.5	3033.7	3112.4	3156.4	3169.7	3168.2	3166.7
32.5°	2950.1	3027.8	3043.0	3030.7	3000.4	2974.8	2948.1
35°	2892.7	2834.6	2747.9	2636.2	2553.9	2470.9	2462.9
37.5°	2601.5	2415.9	2271.6	2110.4	2017.4	1960.0	1920.3
40°	2327.6	2116.8	1941.9	1806.0	1711.2	1673.8	1637.0
42.5°	2030.2	1828.7	1673.9	1560.3	1489.0	1447.5	1418.3
45°	1649.4	1471.7	1350.5	1268.2	1211.5	1179.2	1160.8
47.5°	1351.6	1220.1	1117.1	1057.7	1018.6	993.5	993.6
50°	1191.8	1066.1	997.8	950.7	916.9	897.1	900.8
52.5°	1050.1	956.2	897.9	858.5	833.5	821.2	820.9
55°	878.0	810.4	772.2	743.6	726.6	712.7	715.7
57.5°	751.0	694.0	668.5	644.7	632.9	627.4	619.3
60°	672.3	628.2	606.1	587.0	575.3	570.9	562.8
62.5°	602.4	567.7	546.2	530.7	520.0	518.6	512.3
65°	506.2	479.8	460.7	453.4	442.3	439.4	439.4
67.5°	417.4	398.4	383.5	376.7	371.9	372.7	369.1
70°	361.5	346.1	336.5	329.1	325.5	326.2	323.3
72.5°	316.2	299.1	290.7	286.3	281.4	283.3	282.1
75°	239.5	230.7	226.3	221.9	219.0	217.4	216.0
77.5°	175.9	168.1	164.8	162.2	162.7	159.1	161.9
80°	135.9	129.3	127.1	123.5	122.7	122.7	122.0
82.5°	99.4	95.8	94.2	91.1	89.8	91.0	89.1
85°	51.5	48.4	47.8	47.8	46.3	44.9	48.4
87.5°	24.3	22.2	22.5	22.1	22.3	22.0	20.9
90°	27.5	29.0	30.3	31.3	32.2	33.2	34.1
92.5°	60.8	63.0	64.3	65.0	65.7	66.4	67.1
95°	116.1	118.3	119.7	120.4	121.0	121.6	122.2
97.5°	180.5	182.6	183.9	184.3	184.6	185.0	185.4
100°	226.0	228.8	230.6	231.2	231.9	232.5	233.1
102.5°	272.3	275.3	277.4	278.2	279.1	280.0	280.9
105°	345.4	347.3	348.7	349.7	350.6	351.6	352.5
107.5°	424.7	425.7	426.1	426.0	426.0	425.9	425.8
110°	480.5	481.5	481.7	481.5	481.1	480.8	480.5



TEST NUMBER: P333485-830

CATALOG NUMBER: S125DIW-S1270D1560U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	535.8	536.2	536.2	535.6	535.1	534.5	534.0
115°	620.3	619.9	619.6	619.3	619.0	618.7	618.4
117.5°	706.2	706.3	705.9	704.6	703.3	702.1	700.8
120°	763.4	763.4	762.7	761.5	760.2	758.9	757.7
122.5°	819.4	819.2	818.6	817.6	816.5	815.5	814.5
125°	902.2	901.5	901.1	900.8	900.4	900.1	899.8
127.5°	985.1	984.7	984.2	983.5	983.0	982.3	981.7
130°	1039.6	1039.2	1038.8	1038.2	1037.6	1036.9	1036.3
132.5°	1091.9	1091.6	1091.0	1090.1	1089.2	1088.4	1087.4
135°	1172.7	1172.7	1172.1	1170.8	1169.6	1168.3	1167.1
137.5°	1251.5	1251.9	1251.3	1249.7	1248.1	1246.5	1244.9
140°	1301.2	1301.7	1301.3	1299.8	1298.2	1296.6	1295.0
142.5°	1349.2	1349.7	1349.1	1347.5	1346.0	1344.3	1342.7
145°	1418.6	1418.6	1418.1	1417.2	1416.3	1415.3	1414.4
147.5°	1484.0	1484.8	1484.1	1482.0	1479.8	1477.7	1475.6
150°	1523.9	1523.9	1523.5	1522.9	1522.3	1521.6	1521.0
152.5°	1562.5	1563.3	1563.1	1562.0	1560.9	1559.7	1558.6
155°	1617.2	1618.4	1618.3	1616.7	1615.1	1613.5	1612.0
157.5°	1664.2	1665.4	1665.0	1662.8	1660.8	1658.7	1656.6
160°	1692.5	1693.8	1693.7	1692.1	1690.5	1688.9	1687.3
162.5°	1719.5	1721.0	1720.8	1719.0	1717.1	1715.3	1713.4
165°	1755.1	1756.3	1756.1	1754.2	1752.3	1750.4	1748.4
167.5°	1782.3	1784.1	1784.1	1782.2	1780.3	1778.3	1776.3
170°	1798.2	1800.1	1800.0	1797.7	1795.5	1793.3	1791.1
172.5°	1809.6	1811.5	1811.5	1809.5	1807.5	1805.5	1803.6
175°	1822.4	1824.3	1824.1	1821.9	1819.7	1817.5	1815.2
177.5°	1827.8	1829.3	1829.2	1827.4	1825.6	1823.8	1822.1
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6

(END OF REPORT)